

Technical Data

RÖBER PC ALCOM LED

RÖBER PC ALCOM LED consists of an extruded frosted Polycarbonate with a satinized surface and an extraordinary matt texture for superior visual demands. Unique light diffusion abilities provide a maximum amount of transparency without recognisable circular LED light sources. High impact strength and temperature resistance characterize this product.

Properties	Test Method	Unit	Value
Density	ISO 1183	g/cm ³	1,20
Moisture absorption	ISO 62	%	0,15
Light transmission	ISO 13468-1,-2	%	58
Haze	ISO 13468-1	%	95
Tensile strength	ISO 527	MPa	68
Elongation at break	ISO 527	%	25
Flexural modulus	ISO 178	Mpa	2300
Charpy impact strength (notched)	ISO 179/1eA	kJ/m ²	4
(unnotched)	ISO 179/1eU	kJ/m ²	no break
Heat deflection temperature	ISO 75A	°C	122
Max. service temperature		°C	120
Coefficient of thermal expansion	DIN 53752-A	mm/m	0,065
Shrinkage at heating			up to 6%
Mould shrinkage			0,8 - 1,0 %
Flammability	UL94		HB
Glow wire test	IEC 695-2-1	°C	650
Available sheet-thickness	3,0 - 4,0 - 5,0 mm		
Size	2000x 3050 mm		